

37. (amended) A replication-defective recombinant adenovirus, wherein the genome of said adenovirus contains at least two lethal deletions, two lethal mutations, or one lethal deletion and one lethal mutation in the E1 and E4 early gene regions, so that the recombinant adenovirus requires for replication at most complementation of genes of ^{E1A} both the E1_A and E4_A adenoviral ^{gene} early_A regions, wherein said recombinant adenovirus genome additionally contains a transgene.

38. (amended) A replication-defective recombinant adenovirus, wherein the genome of said adenovirus contains at least two lethal deletions, two lethal mutations, or one lethal deletion and one lethal mutation in the E1 and E4 early gene regions, wherein an essential region of the E4 early gene region is deleted or mutated, so that the recombinant adenovirus requires for replication at most complementation of genes of both the E1 and E4 adenoviral ^{gene} early_A regions, and wherein said recombinant adenovirus genome additionally contains a transgene.

46. (amended) A recombinant adenoviral vector, wherein said vector comprises at least a lethal deletion or mutation in two gene regions selected from the group consisting of E1, E2A, ^{and} E4 early gene regions; ~~viral structural genes~~, and additionally comprises a transgene so that when rescued the resulting recombinant adenovirus requires for replication at most complementation of genes of ^{E1A} both the E1_A and E4_A adenoviral ^{gene} early_A regions.

47. (amended) A recombinant adenoviral vector comprising at least a lethal deletion in each of adenovirus E1 and E4 early gene regions, and a transgene so that when rescued the resulting recombinant adenovirus requires for replication at most complementation of genes of both the E1 and E4 ^{gene} early_A regions.